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TENNESSEE AIR POLLUTION CONTROL BOARD  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
NASHVILLE, TENNESSEE 37243-1531



## OPERATING PERMIT (Conditional Major) Issued Pursuant to Tennessee Air Quality Act

Date Issued:

Permit Number:

455144P

Date Expires: December 31, 2013

Issued To:

Cumberland Lumber and Manufacturing Co., Inc.

Installation Address:

202 Red Road  
McMinnville

Installation Description:

01: Boiler #1 (Wood Waste), Stoker fired  
11.4 MM Btu/hr., 225 HP

Emission Source Reference No.

89-0009-01 & 03

### CONDITIONAL MAJOR SOURCE

03: Woodworking Operation consisting of  
various Saws, Planers, Molders, Trimmers, etc.  
with two (2) baghouses

The holder of this permit shall comply with the conditions contained in this permit as well as all applicable provisions of the Tennessee Air Pollution Control Regulations.

### GENERAL CONDITION:

1. The two application that was utilized in the preparation of this permit is dated January 29, 2002 and signed by Ray Spivey, Jr., President of the permitted facility. If this person terminates his employment or is assigned different duties such that he is no longer the responsible person to represent and bind the facility in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification shall be in writing and submitted within thirty (30) days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the facility in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the facility until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

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TECHNICAL SECRETARY

No Authority is Granted by this Permit to Operate, Construct, or Maintain any Installation in Violation of any Law, Statute, Code, Ordinance, Rule, or Regulation of the State of Tennessee or any of its Political Subdivisions.

NON TRANSFERABLE

**POST AT INSTALLATION ADDRESS**

CN-0827(Rev.9-92)

RDA-1298

**SECTION I: The following conditions shall apply to all sections of this permit unless otherwise noted.**

2. The permittee has elected to opt-out of being issued a major source operating permit pursuant to Division Rule 1200-3-9-.02(11)(a). The permittee would be considered a major source because their "potential to emit" value for particulate matter (TSP) was greater than 100 tons per year at the time of application. The permittee has agreed to be subject to limitations in order to remain below the major source applicability thresholds for TSP of 100 tons per year.
3. Any non-compliance with any condition(s) of this facility set to restrain the "potential to emit" below the applicability thresholds of 1200-3-9-.02(11) of the Tennessee Air Pollution Control Regulations shall be reported in writing to the Technical Secretary within fifteen (15) working days of such discovery. This notification, at a minimum, shall include identification of the source, identification of the permit condition(s) violated, and details of the violation.
4. The permittee is placed on notice that Conditions 9, 13 and 14 of this permit contain limitations that allow the permittee to opt-out of the major source operating permit program requirements specified in Division Rule 1200-3-9-.02(11). Failure to abide by these limits will not only subject the permittee to enforcement action by the State of Tennessee, but it may also result in the imposition of Federal enforcement action by the United States Environmental Protection Agency and the loss of being Federally recognized as a conditional major source.
5. Should proof of compliance for the pollutant(s) with emission limitation(s) placed on this permit be required, the emissions measuring test method(s) and procedure(s) are the following:

<u>Pollutant or Parameter</u>	<u>Testing Methodology</u>
Particulate Matter	EPA Method 5 as published in the current 40 CFR 60, Appendix A

6. A report stating the compliance status of this facility with permit **Conditions 9, 13, and 14** shall be submitted by March 31 of every year starting in 2005. This report shall cover the preceding calendar year, and shall include the records required by **Conditions 15, and 19**. This report shall be submitted to the Environmental Assistance Center in Cookeville, Tennessee at the following address:  
  
Air Pollution Control Manager  
Cookeville Environmental Assistance Center  
1221 South Willow Avenue  
Cookeville, Tennessee 38506
7. The permittee shall apply for renewal of this permit not less than sixty (60) days prior to the permit's expiration date pursuant to Division Rule 1200-3-9-.02(3).

**SECTION II: SOURCE SPECIFIC CONDITIONS****89-0009-01 BOILER #1 (WOOD WASTE), STOKER FIRED, 11.4 MM BTU/HR.**

8. Visible emissions from this wood-fired fuel burning equipment must meet an emission limit of forty (40) percent opacity except for one six (6) minute period per hour as specified in Rule 1200-3-5-.06(2). The opacity is to be measured by EPA Method 9, as published in the Federal Register, Volume 39, Number 219 on November 12, 1974.
9. Particulate matter emitted from this fuel burning unit shall not exceed a concentration of 0.56 grains per dry standard cubic foot of exhaust gases corrected to 12% carbon dioxide and 10.5 lb/hr (1.28 gm/sec). This limitation is established pursuant to the Air Quality Implementation Plan for The State of Tennessee.

Compliance with this emission limitation shall be assured through good boiler operational practices. Good boiler operation is defined by the majority use of automated fuel feed input to boiler. Automated means mechanically feeding with uniform and consistent rate.

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10. Sulfur dioxide emitted from this source shall not exceed 1.71 pounds per hour. Compliance with this requirement may be determined from **Condition 11**.
11. Wood waste only shall be used as fuel(s) for this source.

89-0009-03 WOODWORKING OPERATION WITH VARIOUS ITEMS AND TWO (2) BAGHOUSES
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12. The maximum material input rate for this source shall not exceed 40,000 pounds per hour on a daily average basis. The Technical Secretary may require proof of compliance with this capacity.
13. Total particulate matter (TSP) emitted from this source shall not exceed 23.0 pounds per hour. This emission limitation is established pursuant to TAPCR 1200-3-7-.01(5). Compliance with this limitation shall be assured by Conditions 17 and 18 below.
14. The maximum hours of operation for this source shall not exceed 4,500 hours during all periods of 12 consecutive months. This limitation is established pursuant to the information contained in the agreement letter dated January 11, 2001 from the permittee. The permittee has agreed to this limitation in order to avoid Title V status.
15. A log of the operating time, in the following format or an alternative format which provides the same information and shows compliance with **Condition 14** must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

Month/Year	Total hours of operation for month	Hours of operation * (hrs/12-months)	12-month operating limit (hrs/12-months)
			4,500
			4,500
			4,500
			4,500
			4,500

\* The hrs/12-months value is the sum of the total hours of operation for the 11 months preceding the month just completed plus the total hours of operation for the month just completed.

Calculations of monthly hours of operation and the associated calculations of the twelve consecutive month hours must be completed within 60 days of the end of any month.

16. Process equipment shall not operate without its corresponding associated control device (baghouse).
17. Within 90 days of issuance of this permit, baghouse pressure gauges shall be installed and operational on both baghouses which are capable of venting directly to the outside. This shall be reported to the Division in writing. After all gauges have been installed, 30 days of pressure drop readings for each of the baghouses (inches of water column or acceptable alternate) shall be compiled (one reading per day for each baghouse). The designated person(s) shall note any relevant baghouse conditions/problems/concerns when recording the values. This data and the following data shall be submitted to the Division no later than 15 days following the 30 days of readings. Vendor recommended baghouse specifications/parameters/operating practice for proper baghouse operation shall be submitted at this time. A proposed minimum pressure drop value for each of the baghouses shall also be submitted to the Division at the same time. These would be minimum readings below which potential concerns/problems regarding proper operation would be indicated. Once the Division and Cumberland Lumber agree upon the minimum pressure drop value for each baghouse, the agreed values will be established as an integral part of parametric monitoring for compliance assurance and this permit will be amended accordingly.
18. Upon resolution of the minimum pressure drop value for each baghouse, one reading daily shall be made for each of the baghouses and logged as to time, reading, name of person recording the value and any relevant comments as needed. If values fall below the minimum value, then the person making the recording shall examine the baghouse and note in the log his findings and any action taken. The logs shall be kept in accordance with Condition 19.

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19. Routine maintenance, as required to maintain specified emission limits, shall be performed on the air pollution control devices. Daily baghouse pressure drop readings required by Condition 18 shall be recorded in a suitable permanent form and kept available for inspection by the Division. These records must be retained for a period of not less than five years.
20. Reasonable precautions must be taken to prevent the generation of fugitive dust as these precautions are defined in Rule 1200-3-8-.01 in the Tennessee Air Pollution Control Regulations.
21. Visible emissions from this source shall not exceed twenty (20) percent opacity except for one six minute period per one (1) hour or more than twenty-four (24) minutes in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (6 minute average). TAPCR 1200-3-5-.03(6) and TAPCR 1200-3-5-.01(1)

(end of permit conditions)